

INTERNATIONAL SEARCH REPORT

International Application No
T/EP2004/052690

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C10G5/02 C10L3/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C10G C10L B01D F25J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3 378 992 A (PIERCE DEWEY W ET AL) 23 April 1968 (1968-04-23) the whole document	1-27
Y	DE 198 40 409 C1 (FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V) 20 January 2000 (2000-01-20) column 4, lines 10-21; figure 1	1-12, 16-23, 26, 27
Y	WO 00/23757 A (TRANSLANG TECHNOLOGIES LTD) 27 April 2000 (2000-04-27) the whole document	13-15, 24, 25
A	US 6 280 502 B1 (VAN VEEN J. W. H. M ET AL) 28 August 2001 (2001-08-28) cited in the application the whole document	13-15, 24, 25

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

7 February 2005

Date of mailing of the international search report

16/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Cagnoli, M

INTERNATIONAL SEARCH REPORT

International Application No
T/EP2004/052690

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3378992	A	23-04-1968	NONE	
DE 19840409	C1	20-01-2000	EP 0988879 A1	29-03-2000
WO 0023757	A	27-04-2000	RU 2137065 C1	10-09-1999
			RU 2133137 C1	20-07-1999
			RU 2139480 C1	10-10-1999
			RU 2139479 C1	10-10-1999
			RU 2143654 C1	27-12-1999
			AT 260454 T	15-03-2004
			AU 750712 B2	25-07-2002
			AU 6184599 A	08-05-2000
			BR 9915550 A	29-01-2002
			CA 2286509 A1	16-04-2000
			WO 0023757 A1	27-04-2000
			DE 69915098 D1	01-04-2004
			DE 69915098 T2	28-10-2004
			EA 2780 B1	29-08-2002
			EP 1131588 A1	12-09-2001
			NO 20011893 A	11-06-2001
			US 6372019 B1	16-04-2002
US 6280502	B1	28-08-2001	NONE	